EIA-Short-Term Energy Outlook – Highlights

Benchmark North Sea Brent crude oil spot prices averaged \$47/barrel (b) in May, a \$5/b increase from April and the fourth consecutive monthly increase since reaching a 12-year low of \$31/b in January. Growing global oil supply disruptions, rising oil demand, and falling U.S. crude oil production contributed to the price increase.

Brent crude oil prices are forecast to average \$43/b in 2016 and \$52/b in 2017, \$3/b and \$1/b higher than forecast in last month's STEO, respectively. West Texas Intermediate (WTI) crude oil prices are forecast to be slightly lower than Brent in 2016 and to be the same as Brent in 2017. However, the current values of futures and options contracts suggest high uncertainty in the price outlook. For example, EIA's forecast for the average WTI price in September 2016 of \$46/b should be considered in the context of Nymex contract values for September 2016 delivery. These contracts traded during the five-day period ending June 2 (Market Prices and Uncertainty Report) suggest the market expects WTI prices could range from \$36/b to \$69/b (at the 95% confidence interval) in September 2016.

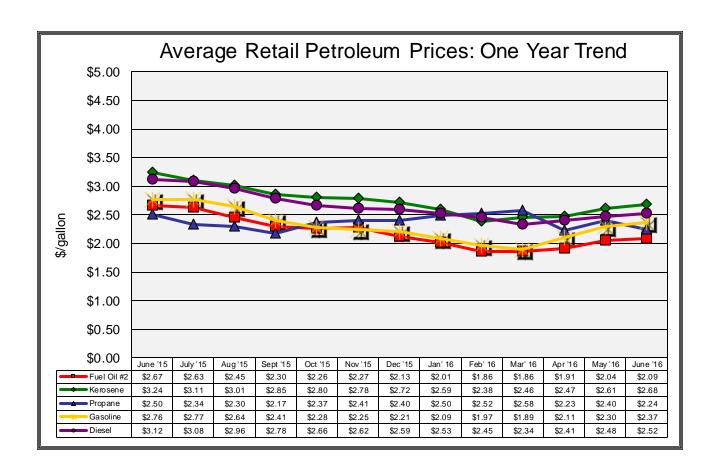
During the April-through-September summer driving season of 2016, U.S. regular gasoline retail prices are forecast to average \$2.27/gallon (gal), 6 cents/gal higher than forecast in last month's STEO but 36 cents/gal lower than last summer. U.S. regular gasoline retail prices are forecast to average \$2.13/gal in 2016 and \$2.27/gal in 2017, which are 5 cents/gal higher and 3 cents/gal higher than forecast in last month's STEO, respectively.

U.S. crude oil production averaged 9.4 million barrels per day (b/d) in 2015. Production is forecast to average 8.6 million b/d in 2016 and 8.2 million b/d in 2017, both unchanged from last month's STEO. EIA estimates that crude oil production for May 2016 averaged 8.7 million b/d, which is more than 0.2 million b/d below the April 2016 level, and approximately 1 million b/d below the 9.7 million b/d level reached in April 2015.

Natural gas working inventories were 2,907 billion cubic feet (Bcf) on May 27. This level is 32% higher than a year earlier, and 35% higher than the previous five-year (2011-15) average for that week. The natural gas storage injection season typically runs from April through October. EIA projects that natural gas inventories will be 4,161 Bcf at the end of October 2016, which would be the highest end-of-October level on record. Henry Hub spot prices are forecast to average \$2.22/million British thermal units (MMBtu) in 2016 and \$2.96/MMBtu in 2017, compared with an average of \$2.63/MMBtu in 2015.

Editor's Note: Data presented in the Vermont Fuel Price Report, as in the past, is collected on the first Monday of the month.

Vermont Fuel Price Report



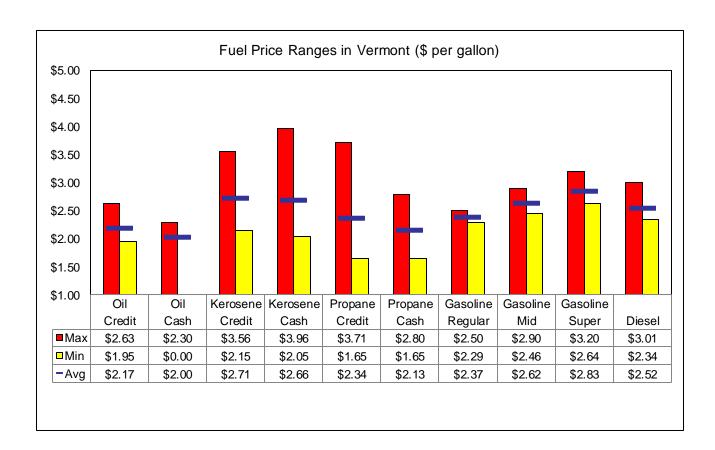
Vermont Average Retail Petroleum Prices (\$ per gallon)							
	June '16	May '16	% Change	June '15	% Change		
No. 2 Fuel Oil	\$2.09	\$2.04	2.2%	\$2.67	-21.8%		
Kerosene	\$2.68	\$2.61	2.9%	\$3.24	-17.1%		
Propane	\$2.24	\$2.40	-6.7%	\$2.50	-10.6%		
Reg. Unleaded Gasoline	\$2.37	\$2.30	2.9%	\$2.76	-14.1%		
Diesel	\$2.52	\$2.48	1.6%	\$3.12	-19.3%		

Comparing the Cost of Heating Fuels							
Type of Energy	BTU/unit	Typical Efficiency	\$/unit	\$/MMBtu		High Efficiency	\$/MMBtu
Fuel Oil, gallon	138,200	80%	\$2.09	\$18.88		95%	\$15.90
Kerosene, gallon	136,600	80%	\$2.68	\$24.56			
Propane, gallon	91,600	80%	\$2.24	\$30.51		95%	\$25.69
Natural Gas, Ccf	100,000	80%	\$1.38	\$17.23	*	95%	\$14.51
Electricity, kWh (resistive heat)	3,412	100%	\$0.15	\$43.46			
Electricity, kWh (cold climate heat pump)	3,412		\$0.15		#	240%	\$18.32
Wood, cord (green)	22,000,000	60%	\$227	\$17.21	^		
Pellets, ton	16,400,000	80%	\$275	\$20.96	^		

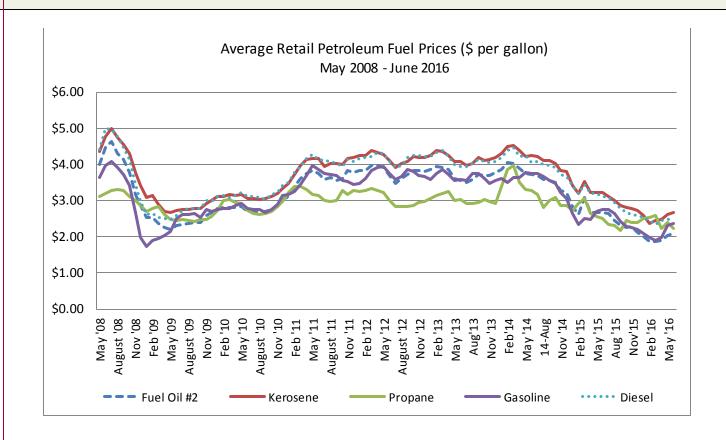
^{*} Natural Gas price is based on VGS residential rate effective May 1st, 2016.

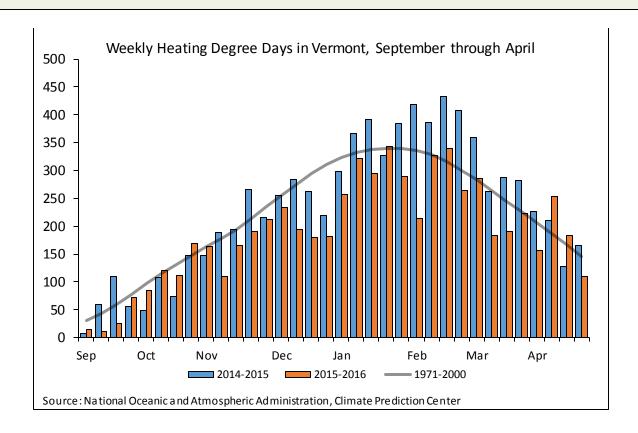
[#] see October 2015 Fuel Price Report for discussion of heat pump coefficient of performance

[^] Cord Wood price updated 8/2015 from small survey sample. Pellet price updated 5/2016 from small survey sample



	Oil- Credit	Oil- Cash	Kero- Credit	Kero- Cash	Pro- Credit	Pro- Cash	Regular Gasoline	Mid Grade Gasoline	Super Gasoline	Diesel
Stan.Dev \$	\$0.16	\$0.34	\$0.30	\$0.39	\$0.52	\$0.30	\$0.26	\$0.94	\$0.24	\$0.42
Stan.Dev %	7.18%	16.73%	11.06%	14.52%	22.39%	13.97%	2.05%	5.88%	1.93%	2.22%





Heating Degree Days in Vermont per Month

	Current Season	Last Season	"Normal" Season					
	2015-2016	2014-2015	1971-2000					
Sep	121	234	211					
Oct	485	376	491					
Nov	840	1,013	984					
Dec	790	1,020	1,137					
Jan	1,504	1,768	1,670					
Feb	1,145	1,647	1,281					
Mar	881	1,191	1,019					
Apr	702	730	693					
Cumulative	6,468	7,979	7,496					

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NOTE: The Vermont Fuel Price Report is published monthly by the Vermont Department of Public Service. Prices are collected on or about the first Monday of each month and reflect dealer discounts for cash or self-service, except propane prices, which are an average of the credit and discount price. Propane prices are based on 1,000 + gallons. For more information please contact John Woodward at (802) 828-3061 or by email at john.woodward@vermont.gov.